

Title (en)

EXTRUSION DIE WITH ADJUSTING SLIDING DIE LIPS

Title (de)

EXTRUSIONSDÜSE MIT EINSTELLBAREN DÜSENLIPPEN

Title (fr)

FILIERE D'EXTRUSION POURVUE DE LEVRES DE REGLAGE COULISSANTES

Publication

EP 0879130 A4 19990113 (EN)

Application

EP 97903794 A 19970114

Priority

- US 9700526 W 19970114
- US 1094096 P 19960131

Abstract (en)

[origin: WO9727990A1] A thermal actuator system controls the position of a moveable die lip (32, 34) on a flat film extruder die (30) to control the gauge of the extruded plastic film, and includes thermal actuators each of which has an outer thermal bolt (70) and an inner bolt (80) extending through the outer bolt. The inner and outer bolts have outer ends which are connected together, while the outer bolt is connected to the die body and the inner bolt has an operative end connected to a die lip. An air passage (90) is formed between the inner and outer bolts and through which air is applied for cooling the inner bolt with respect to the outer bolt. Thermal expansion of the outer bolt is controlled by an external heater (75) mounted on the outer bolt.

IPC 1-7

B29C 47/16

IPC 8 full level

B29C 48/08 (2019.01); **B29C 48/31** (2019.01); **B29L 7/00** (2006.01)

CPC (source: EP US)

B29C 48/08 (2019.01 - EP US); **B29C 48/313** (2019.01 - EP US)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 9727990A1

Designated contracting state (EPC)

CH DE ES GB IT LI

DOCDB simple family (publication)

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DOCDB simple family (application)

US 9700526 W 19970114; CA 2241312 A 19970114; EP 97903794 A 19970114; JP 52765497 A 19970114; US 9169498 A 19980617